PALL Pall Corporation

New: PCCM Series Component Cleanliness Cabinet

The PCCM Series Component Cleanliness Cabinet is the latest self-contained unit from Pall, delivering the best practices in extracting particulate contamination from a component and retaining it on a test membrane for analysis.

Without standard, repeatable cleanliness validation, Manufacturers and Suppliers cannot meet Industrial ISO standards

- Provides a more automated, repeatable process for checking parts cleanliness

- Rapid to blank value* to start test sampling in much less time (up to 50% quicker)

- Less human errors involved

- A fully HEPA filtered laminar air flow eliminates environmental cross contamination

- Test sample created is true representation of part contamination

- Available in standard lab friendly or larger shopfloor sized units to assess small to oversized components in accordance to ISO 18413, ISO16232 and VDA 19 procedures.

relative value of cleanliness achieved over time, as specified by the customer

Features

- Laminar air flow with 0.3 µm HEPA filter providing a controlled cleanliness environment (Class 5 per ISO 14644-1)

- Fast, efficient, automatic wall washing system

- Easy to use, color touch screen human-machine interface

- Full work area access for service operation

- Pressurized solvent dispensing and recycling circuits

- Able to perform system simulation tests

- Solvent vapor extracted by exhaust fan

- Requires only a power source and exhaust vent

PCCM Series Component Cleanliness Cabinet

User friendly, color touch screen control panel

Super mirror finish stainless steel extraction enclosure (Ra = 0.02 µm max)

Technical information

Overall Dimensions: (W x D x H)	1572 x 859 x 2130 mm (61.9 x 33.8 x 83.9 inch)
Working area: (W x D x H)	984 x 645 x 625 mm (38.7 x 25.4 x 24.6 inch)
Weight:	420 kg (962 lb)
Materials:	Enclosure: Super mirror finish 304 L stainless steel Frame: See option
Power supply: (see options)	110 V / 230 V – 50/60 Hz, single phase
PLC:	Siemens
Power consumption:	1.3 kW (without US)
Reservoir (solvent):	40 L max (10.6USg)
Wall flushing flow rate:	10 L/min (2.64 USgpm)
Nozzle Pen flow rate:	5 L/min (1.32 USgpm) max
Rinsing pressure:	4.5 bar max (58 psi)

The PCCM series cabinets comply with the European Machinery Directive 2006/42/EC, Low voltage 2014/35/EU and Electromagnetic compatibility 2014/30/EU and is fully CE compliant.

Ordering information

Pall Cleanliness Cabinet PCCM [1] [2] [3] [4]

Table 1: Voltage option

Code	Description
1	110V @ 50/60 Hz, 1 Phase
2	230V @ 50/60 Hz, 1 Phase

Table 2: Membrane option

Code	Description
S	Single stage membrane holder
M	3-Multi-stage membrane holder

Table 3: Ultrasonic option

Code	Description
Omit	No Ultrasonic transducer
US400	400W Ultrasonic agitation power

Table 4: Door option

Code	Description
C	Fixed Door (Cover)
S	Sliding Door
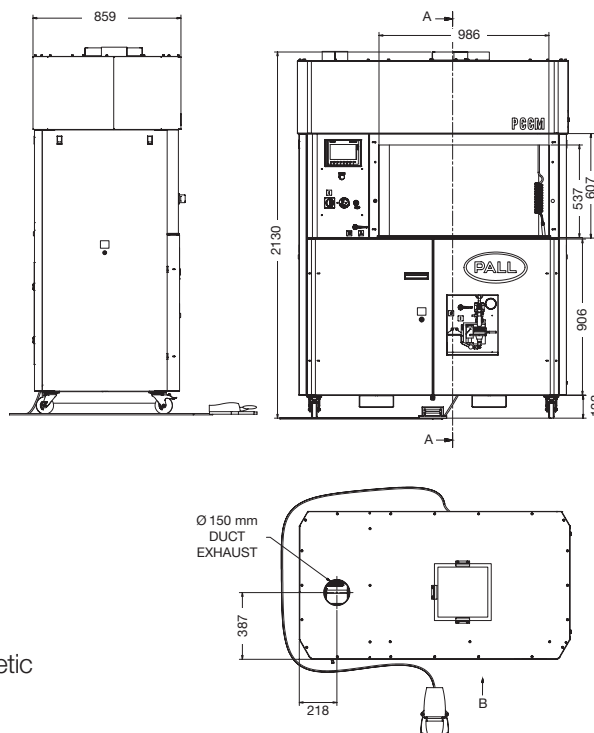
Accessories

Code	Description
GHA0787OEM	Cascade of 3 membranes
PCCMV2-MB	2 electro polished stainless steel folded bars ø14mm
PCCMV2-MBR	2 electro polished stainless steel folded bars ø20mm
PCCMV2MP	Perforated plate with opening for mesh bowl
PCCV2-USB	Meshed bowl for u/s immersion
PCCMV2-MPB	Perforated plate
PCCMV2-DP	Deflector plate
PCCV2-FILLUP	Fillup kit assembly
PCCMV2-MG	Electro polished stainless steel grid
PCCMV2-MGR	Electro polished stainless steel grid reinforced
PCCMV2-MBMH	Polished bowl with integrated membrane holder for PCCM
PCCMV2-MPFC	Ducted pre-filter housing
PCCSV2A31	Sliding door (available as an accessory when sliding door is not factory fitted)

Analysis Membranes for Component Cleanliness Assessments

- Ratings from 5 µm to 100 µm
- Materials: Polyamide

see product datasheet M&EPCCMEMENa

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